Claims

What is claimed is:

1. System for monitoring an occupancy area (15.1 - 15.3), which system includes

- a device (10) arranged in connection with the monitored party (A - D) which includes localizing means (12), means of communication (13) for communication in a wireless data communication network (20.1 - 20.3), a processor unit (MCU) and a storage medium (16), wherein at least location information (23 - 25) defining the limit of the said occupancy area (15.1 - 15.3) is arranged, based on which the current status information of the monitored party (A - D) is adapted to be defined,
- terminal equipment (22) arranged in connection with the monitoring party (21), and
- a wireless data communication network (20.1 - 20.3) as a means of communication between the said device (10) and the terminal equipment (22),

characterized in that the said location information (23 - 25) defining the occupancy area (15.1 - 15.3) is arranged for definition by the device (10), whose processor unit (MCU) is adapted to define the status information of the monitored party (A - D) at each time based on the current location information defined by the localizing means (12) and on the location information (23 - 25) arranged in the storage medium (16) and defining the limit of the occupancy area (15.1 - 15.3), and wherein, according to a criterion established for the said status information, the device (10) is adapted to transmit to at least one piece of terminal equipment (22) information in a form established by its means of communication (13).

2. System according to claim 1, characterized in that the said information in an established form is location information defined by using the wireless data communication network (20.1 - 20.3) technology in which area the device (10) is located.

3. System according to claim 2, characterized in that the said information is location information that is defined by one or several network elements (20.1 - 20.3).

4. System according to any claim 1 - 3, characterized in that the said terminal equipment is a piece of mobile terminal equipment (22) of a kind known as such.

5. System according to any claim 1 - 4, characterized in that identifier information of the terminal equipment (22) is arranged in the device (10).

6. System according to any claim 1 - 5, characterized in that a packet-connection module (13) is arranged in the device (10) as the means of communication.

7. Device (10) for monitoring of an occupancy area (15.1 - 15.3), wherein the device (10) arranged in connection with the monitored party (A - D) includes localizing means (12), means of communication (13) for communication in a wireless data communication network (20.1 - 20.3), a processor unit (MCU) and a storage medium (16), wherein at least location information (23 - 25) defining the limit of the said occupancy area (15.1 - 15.3) is arranged, based on which the current status information of the monitored party (A - D) is adapted to be defined, characterized in that the said location information (23 - 25) defining the limit of the occupancy area (15.1 - 15.3) is arranged for definition by the device (10).

8. Device according to claim 7, characterized in that the device (10) is fitted to perform steps in order to define its location in the wireless communication network (20.1 - 20.3).

9. Device according to claim 7 or 8, characterized in that a packet-connection module (13) is arranged in the device (10) as the means of communication.